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INDEX TO AMERICAN BOTANICAL LITERATURE (1906)

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in its broadest sense.

Reviews, and papers which relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions their kindness will be appreciated.

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- Ames, O.** Descriptions of new species of *Acoridium* from the Philippines. Proc. Biol. Soc. Wash. **19**: 143-153. 25 S 1906.
Eighteen species are described as new.
- Ammidown, L. E.** *Blumenbachia insignis* a casual plant at South-bridge, Massachusetts. Rhodora **8**: 225, 226. 24 D 1906.
- Arthur, J. C.** The paired seeds of cocklebur. Plant World **9**: 227-232. f. 39. [N] 1906.
- Bailey, J. W.** Vancouver Island bryology, no. 1. Bryologist **9**: 95, 96. 1 N 1906.
- Bailey, W. W.** Our poisonous plants. Am. Bot. **11**: 57-63. N 1906.
- Bailey, W. W.** Something about names. Am. Bot. **11**: 81-83. D 1906.
- Bartlett, H. H.** *Juncus compressus* in the province of Quebec. Rhodora **8**: 233. 24 D 1906.
- Bean, W. J.** South American beeches. Kew Bull. Misc. Inf. **1906**: 379-381. D 1906.
- Berger, A.** Neue Aloineen und andere Sukkulanten. Notizbl. Königl. Bot. Gart. Berlin **4**: 246-250. 12 N 1906.
Includes a description of *Agave parrasana* sp. nov., from Mexico.

- Bessey, C. E.** Objects imbedded in trees. *Am. Bot.* **11**: 54, 55. N 1906.
- Birger, S.** Die Vegetation bei Port Stanley auf den Falklandsinseln. *Bot. Jahrb.* **39**: 275-305. *pl.* **1**, 2 + *f.* **1**. 8 Je 1906.
- Bissell, C. H.** A new station for *Asplenium pinnatifidum*. *Rhodora* **8**: 230. 24 D 1906.
- Blumer, J. C.** Wild fruits and shrubs of the Priest River valley. *Plant World* **9**: 240-246. [N] 1906.
- Bradshaw, M. F.** Common things. *Am. Bot.* **11**: 55-57. N 1906.
- Brandegee, T. S.** New species of Mexican plants collected by Dr. C. A. Purpus. *Zoe* **5**: 231-241. 15 S 1906.
 Descriptions of 25 new species in 24 genera, including the new genera *Talinaria* and *Achaenipodium*.
- Brandegee, T. S.** Plants of California. *Zoe* **5**: 227-230. 15 S 1906.
 Includes descriptions of new species in *Allium*, *Saliva*, *Tetracoccus*, and *Argythamnia*.
- Britton, N. L.** Recent explorations in Jamaica. *Jour. N. Y. Bot. Gard.* **7**: 245-250. *f.* **43**. N 1906.
- Brooks, C.** Temperature and toxic action. *Bot. Gaz.* **42**: 359-375. *f.* **1-12**. [30] N 1906.
- Brown, N. E.** *Xanthosoma cordatum*. *Kew Bull. Misc. Inf.* **1906**: 7. F 1906.
 New species, native of British Guiana.
- Burns, G. P. & Hedden, M. E.** Conditions influencing regeneration of hypocotyl. *Beih. Bot. Centralb.* **19**¹: 383-392. *f.* **1-4**. 1906.
- Chamberlain, C. J.** The ovule and female gametophyte of *Dioon*. *Bot. Gaz.* **42**: 321-358. *pl.* **13-15** + *f.* **1-9**. [30] N 1906.
- Chase, A.** Notes on genera of *Panicaceae*. I. *Proc. Biol. Soc. Wash.* **19**: 183-192. 8 D 1906. [Illust.]
 Includes *Leptoloma* gen. nov.
- Clinton, G. P.** *Tilletiaceae*. *N. Am. Fl.* **7**: 47-72. 4 O 1906.
- Clinton, G. P.** *Ustilaginaceae*. *N. Am. Fl.* **7**: 3-45. 4 O 1906.
- Clinton, G. P.** *Ustilaginales*. *N. Am. Fl.* **7**: 1. 4 O 1906.
- Clute, W. N.** Wind-distributed seeds. *Am. Bot.* **11**: 73-75. D 1906. [Illust.]
- Clute, W. N.** Winged seeds. *Am. Bot.* **11**: 49-53. N 1906. [Illust.]
- Cook, M. T.** The embryogeny of some Cuban *Nymphaeaceae*. *Bot. Gaz.* **42**: 376-392. *pl.* **16-18**. [30] N 1906.

- Coppedge, R. W.** The effect of light on *Melilotus alba*. Trans. Kan. Acad. Sci. 20¹: 97-105. 1906.
- DeVries, H.** Species and varieties: their origin by mutation. Second edition. i-xviii. 1-847. *portrait*. Chicago, 1906.
- Edwards, A. M.** The examination of certain infusorial earths or clays for the United States Geological Survey. Nuova Notar. 17: 102-107. Jl 1906.
- Edwards, A. M.** The magnesian limestone of New Jersey and the search for *Bacillaria* in it. Nuova Notar. 17: 174-180. O 1906.
- Fedde, F.** *Eschscholtziae* generis species novae. II. Repert. Nov. Sp. 3: 27, 28. 31 Jl 1906; — III. Repert. Nov. Sp. 3: 75, 76. 20 S 1906; — IV. Repert. Nov. Sp. 3: 105. 20 O 1906; — V. Repert. Nov. Sp. 3: 183-185. 15 D 1906.
Includes descriptions of 6 new species.
- Fernald, M. L.** An alpine variety of *Solidago macrophylla*. Rhodora 8: 227, 228. 24 D 1906.
- Fernald, M. L.** *Potamogeton spathaeformis* a probable hybrid in Mystic Pond. Rhodora 8: 224. 26 N 1906.
- Fernald, M. L.** Twelve additions to the flora of Rhode Island. Rhodora 8: 219-222. 26 N 1906.
- Fernow, B. E.** A survey in the tropics [in the high Sierra Maestra of Cuba]. Forestry Quart. 4: 239-258. D 1906.
- Fernow, B. E.** List of trees on the Sierra Maestra [Cuba]. Forestry Quart. 4: 259-269. D 1906.
- Fink, B.** Further notes on cladonias. VIII. *Cladonia botrytes*, *Cladonia caespiticia*, and *Cladonia delicata*. Bryologist 9: 89-91. pl. 8. 1 N 1906.
- Fink, B.** Lichens: their economic rôle. Plant World 9: 258-265. [D] 1906.
- Gager, C. S.** Outline study of seeds and seedlings. Plant World 9: 208-218. [O] 1906.
- Gager, C. S.** Symbiosis in *Gunnera manicata*. Jour. N. Y. Bot. Gard. 7: 214-217. f. 31. S 1906.
- Glatfelter, N. M.** Preliminary list of higher fungi collected in the vicinity of St. Louis, Mo., from 1898 to 1905. Trans. Acad. Sci. St. Louis 16: 33-94. 14 Je 1906.
- Greene, E. L.** A study of *Rhus glabra*. Proc. Wash. Acad. Sci. 8: 167-196. 18 D 1906.
Includes descriptions of 24 new species.

- Hagen, I.** A study of *Tetraplodon australis*. Bryologist 9: 92-94. 1 N 1906.
- Hambleton, J. C.** Key to the families of Ohio lichens. Ohio Nat. 7: 14-16. 12 N 1906.
- Harms, H.** Eine neue Art der Gattung *Macrolobium* Schreb. (*M. stenosphon*) aus Columbia. Repert. Nov. Sp. 3: 51-53. 25 Au 1906.
- Harper, R. M.** The vegetation of Bald Knob, Elmore County, Alabama. Plant World 9: 265-269. [D] 1906.
- Haynes, C. C.** Ten lophozias. Bryologist 9: 99, 100. *pl.* 9. 1 N 1906.
- Heimerl, A.** Beiträge zur Kenntnis amerikanischer Nyctaginaceen. Oesterr. Bot. Zeits. 56: 249-255. J1 1906; 406-414. O 1906; 424-429. N 1906.
Includes new species in *Mirabilis*, *Boerhaavia* (2), *Bougainvillea*, *Neea* (2), and *Pisonia* (2).
- Heller, A. A.** Botanical exploration in California, season of 1905 (continued). Muhlenbergia 2: 105-164. 20 F 1906; 165-176. 1 N 1906.
Includes descriptions of 9 new species in 7 genera, and *Malacolepis* gen. nov.
- Heller, A. A.** Botanical exploration in California, season of 1906. Muhlenbergia 2: 177-256. 31 D 1906.
Includes descriptions of 20 new species in 14 genera.
- Hemsley, W. B.** A new fruit from Uruguay. Kew Bull. Misc. Inf. 1906: 365, 366. D 1906.
Pouteria suavis sp. nov.
- Henshaw, J. W.** Mountain wild flowers of America. i-xxi. 1-384. *frontisp.* + *pl.* 1-99. Boston, 1906.
- Hillier, J. M.** Colorado rubber. Kew Bull. Misc. Inf. 1906: 218, 219. Au 1906.
- Hitchcock, A. S.** Notes on grasses. Rhodora 8: 205-212. 26 N 1906.
Includes new species in *Panicum* (4) and *Glyceria*.
- Lorenz, A.** Notes on the mosses of Waterville, New Hampshire. Bryologist 9: 96, 97. 1 N 1906.
- McCleery, E. M.** Pubescence and other external peculiarities of Ohio plants. Ohio Nat. 7: 16, 17. 12 N 1906.
- MacDougal, D. T.** The delta of the Rio Colorado. Bull. Am. Geog. Soc. 38: 1-16. *map* + *f.* 1-6. Ja 1906.
- Macoun, J.** The cryptogamic flora of Ottawa. Ottawa Nat. 20: 177-186. 3 D 1906.
Continued from Ottawa Nat. 12: 100 (1898); not, of course, from 21: 100, as stated.

- Macoun, J. M.** Contributions to Canadian botany. XVII. Ottawa Nat. 20: 135-143. 15 O 1906; — XVIII. Ottawa Nat. 20: 162-171. 6 N 1906.
- Malme, G. O. A.** *Xyrides austro-americanae novae*. Repert. Nov. Sp. 3: 111-113. 20 O 1906.
Descriptions of 3 new species.
- Massee, G.** Fungi exotici: V. Kew Bull. Misc. Inf. 1906: 255-258. O 1906.
Includes new species, in *Calonectria* and *Stilbospora*, from Trinidad.
- Massee, G.** Revision of the genus *Hemileia* Berk. Kew Bull. Misc. Inf. 1906: 35-42. pl. Mr 1906.
Four species are recognized, including *H. americana* sp. nov., from Costa Rica.
- Masters, M. T.** *Aristolochia* (*Gymnolobus*) *consimilis*. Kew Bull. Misc. Inf. 1906: 7. F 1906.
New species, native of British Guiana.
- Masters, M. T.** *Aristolochia* (*Gymnolobus*) *daemoninoxia*. Kew Bull. Misc. Inf. 1906: 6, 7. F 1906.
New species, native of British Guiana.
- Meeker, G.** A little experiment in flower-making. Trans. Kan. Acad. Sci. 20¹: 188, 189. 1906.
- Merrill, E. D.** An enumeration of Philippine *Gramineae* with keys to genera and species. Philipp. Jour. Sci. Suppl. 1: 307-392. 31 D 1906.
Includes descriptions of 5 new species in as many genera.
- Mez, C.** Additamenta monographica 1906. Repert. Nov. Sp. 3: 4-15. 31 Jl 1906; 33-45. 25 Au 1906; 66-71. 20 S 1906; 97-104. 20 O 1906.
Including new American species in *Pitcairnia* (6), *Puya* (12), *Hechtia*, *Deuterocohnia*, *Dyckia*, *Tillandsia* (17), *Guzmania*, *Aniba*, *Persea* (5), *Ocotea* (7), *Ardisia*, *Conomorpha* (2), *Cybianthus*, *Rapanea* (2), and *Clavijsa*.
- Murrill, W. A.** Further remarks on a serious chestnut disease. Jour. N. Y. Bot. Gard. 7: 203-211. f. 25-30. S 1906.
- Murrill, W. A.** A summer in Europe; some foreign botanists and botanical institutions. Jour. N. Y. Bot. Gard. 7: 221-237. f. 32-42. O 1906.
- Nelson, A. & Kennedy, P. B.** New plants from the Great Basin. Proc. Biol. Soc. Wash. 19: 155-157. 12 N 1906.
New species in *Sophia*, *Sphaerostigma*, *Godetia*, *Oreocarya*, and *Cryptanthus* (3).
- Overton, J. B.** The morphology of the ascocarp and spore-formation in the many-spored asci of *Thecotheus Pelletieri*. Bot. Gaz. 42: 450-492. pl. 29, 30. 22 D 1906.

- Paris, E. G.** Muscinées de la Guiane française (2e article). Rev. Bryol. 33: 55-58. [J] 1906.
Includes new species in *Syrrhopodon*, *Meteorium*, and *Ectropothecium*.
- Paris, E. G.** Muscinées des Andes de la Nouvelle Grenade. Rev. Bryol. 33: 102-105. [N] 1906.
Includes new species in *Lepidopilum* and *Rigodium*.
- Parsons, H. G.** Children's gardens and their value to teachers of botany and nature study. Plant World 9: 237-239. f. 38. [N] 1906.
- Pease, A. S. & Moore, A. H.** Peculiarities of *Botrychium lanceolatum* in America. Rhodora 8: 229. 24 D 1906.
- Pilger, R.** Ein neues *Antiphytum* (*A. Bornmülleri*) aus dem südlichen Brasilien. Repert. Nov. Sp. 3: 24, 25. 31 J 1906.
- Preston, H. W.** Two editions of Torrey & Gray's Flora of North America. Rhodora 8: 232, 233. 24 D 1906.
- Ramaley, F.** The Tokyo botanical garden. Plant World 9: 251-258. f. 40-43. [D] 1906.
- Reagan, A. B.** Notes on the flora of the Rosebud Indian reservation South Dakota. Trans. Kan. Acad. Sci. 20¹: 190-196. 1906.
Includes *Prunus Rosebudii* sp. nov.
- Renauld, F.** Causerie sur les *Harpidia*. Rev. Bryol. 33: 89-100. [N] 1906.
- Robinson, W. J.** The filmy ferns (*Hymenophyllaceae*). Plant World 9: 219-221. f. 33-37. [O] 1906.
- Rolfe, R. A.** New orchids. — Decade 26. Kew Bull. Misc. Inf. 1906: 30-34. F 1906; — Decade 27. Kew Bull. Misc. Inf. 1906: 84-88. Ap 1906; — Decade 28. Kew Bull. Misc. Inf. 1906: 112-117. Je 1906; — Decade 29. Kew Bull. Misc. Inf. 1906: 375-379. D 1906.
Includes 12 new American species in 11 genera.
- Rusby, H. H.** Observations in economic botany made at Oscoda, Michigan. Jour. N. Y. Bot. Gard. 7: 211-213. S 1906.
- Saunders, C. F.** Edible pine seeds. Am. Bot. 11: 87, 88. D 1906.
- Saunders, C. F.** Mountain misery [*Chamaebatia foliolosa*]. Am. Bot. 11: 53, 54. N 1906.
- Sayre, L. E.** The botanical features of the new United States Pharmacopoeia. Trans. Kan. Acad. Sci. 20¹: 185-187. 1906.
- Schaffner, J. H.** Nodding of the terminal heads of *Silphium laciniatum*. Ohio Nat. 7: 39. 13 D 1906.

- Schaffner, J. H.** A successful mutant of *Verbena* without external isolation. *Ohio Nat.* **7**: 31-34. 13 D 1906.
- Schaffner, M.** The embryology of the shepherd's purse. *Ohio Nat.* **7**: 1-8. *f.* 1-38. 12 N 1906.
- Schlechter, R.** *Orchidaceae novae et criticeae.* Decas IV. *Repert. Nov. Sp.* **3**: 15-20. 31 J1 1906; — Decas V. *Repert. Nov. Sp.* **3**: 45-51. 25 Au 1906; — Decas VI. *Repert. Nov. Sp.* **3**: 77-82. 20 S 1906; — Decas VII. *Repert. Nov. Sp.* **3**: 106-111. 20 O 1906.
Includes 25 new American species in 12 genera; of the genera one, *Pittierella*, is new.
- Schneider, C. K.** Species varietatesque *Pomacearum novae.* IV. *Repert. Nov. Sp.* **3**: 177-183. 15 D 1906.
Includes a description of *Amelanchier Jonesiana* sp. nov., from Arizona.
- Setchell, W. A.** A revision of the genus *Constantinea.* *Nuova Notar.* **17**: 162-173. O 1906.
Three species are recognized, including *C. subulifera* sp. nov.
- Setchell, W. A.** The Sierran puffball [*Lycoperdon sculptum*]. *Sierra Club Bull.* **6**: 39-42. *pl.* 13. Ja 1906.
- Shreve, F.** The Hope botanical gardens. *Plant World* **9**: 201-207. *f.* 29-32. [O] 1906.
- Sodi, L.** Contribuciones al conocimiento de la flora Ecuatoriana. Monografia III. Tacsonias Ecuatorianas. i, ii. 1-31. *pl.* 1-4. Quito, 1906.
This is a revised edition of a paper published in 1903.
- Sprague, T. A. & Hutchinson, R. R.** *Gurania Eggersii.* *Kew Bull. Misc. Inf.* **1906**: 200, 201. Au 1906.
New species, native of Ecuador.
- Sprague, T. A. & Hutchinson, R. R.** *Gurania phanerosiphon.* *Kew Bull. Misc. Inf.* **1906**: 201. Au 1906.
New species, native of Ecuador.
- Stapf, O.** *Cervantesia glabrata.* *Kew Bull. Misc. Inf.* **1906**: 76. Ap 1906.
New species, native of Ecuador.
- Tayler, M. E.** The germination of the morning glory. *Plant World* **9**: 246, 247. [N] 1906.
- Taylor, N.** Botanical notes on the vegetation of the high Maestra [Cuba]. *Forestry Quart.* **4**: 270-273. D 1906.
- Taylor, N.** Collecting in the mountains west of Santiago, Cuba. *Jour. N. Y. Bot. Gard.* **7**: 256-260. N 1906.

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- Tullsen, H.** The probable origin of key-fruits. Plant World **9**: 233-236. [N] 1906.
- Underwood, L. M.** A report on the condition of the tropical laboratory. Jour. N. Y. Bot. Gard. **7**: 250-255. N 1906.
- Wangerin, W.** Die Umgrenzung und Gliederung der Familie der *Cornaceae*. Bot. Jahrb. Beibl. **86**: 1-88. f. 1-10. 14 Au 1906.
- Wiegand, K. M. & Foxworthy, F. W.** A key to the genera of woody plants in winter, including those with hardy representatives found growing wild or in cultivation within New York State. Second edition. 1-33. Ithaca, N. Y., 1906.
- Wright, C. H.** *Achatocarpus pubescens*. Kew Bull. Misc. Inf. **1906**: 6. F 1906.
New species, native of Ecuador.
- Wright, C. H.** *Astragalus brevidentatus*. Kew Bull. Misc. Inf. **1906**: 200. Au 1906.
New species, native of the Galapagos Islands.
- Wright, C. H.** *Bidens simplicifolia*. Kew Bull. Misc. Inf. **1906**: 5. F 1906.
New species, native of Ecuador.
- Wright, C. H.** *Euterpe Jenmanii*. Kew Bull. Misc. Inf. **1906**: 203. Au 1906.
New species, native of British Guiana.
- Wright, C. H.** *Euterpe ventricosa*. Kew Bull. Misc. Inf. **1906**: 203. Au 1906.
New species, native of British Guiana.
- Yamanouchi, S.** The life-history of *Polysiphonia violacea*. Bot. Gaz. **42**: 401-449. pl. 19-28. 22 D 1906.